



Program Book

Community Service Project



**AP STATE COUNCIL OF HIGHER
EDUCATION**

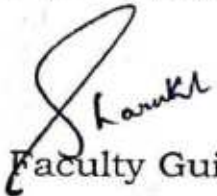
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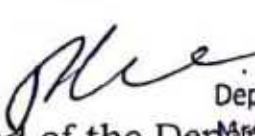
Student's Declaration


B.V.S. Dheeraj
I,....., a student of ^{Community Service}.....Program, Reg. No. 719130805224 of the
Department of ~~Stat.~~, Mrs. AVN..... College do hereby declare that I have
completed the mandatory community service from ~~August~~ to ^{October} ~~September~~ in
~~One-town~~..... (Name of the Community/Habitation) under the Faculty
Guideship of ~~M.S. Shukla~~ (Name of the Faculty Guide), Department
of ~~Statistics~~..... in Mrs. AVN Degree..... College

B. Dheeraj
(Signature and Date)
03/03/2023.

Endorsements


Faculty Guide


P. GANDHI, M.Sc, M.Phil
Head of the Department
Department of Mathematics & Statistics
Mrs. AVN College, Visakhapatnam
Head of the Department


Principal
PRINCIPAL
Mrs. A.V.N. COLLEGE
VISA KHAPATNAM

ACKNOWLEDGEMENTS

I wish to express my gratitude to those who extended their valuable co-operation and contribution towards the project.

I would like to thank my project mentor Mr. SK. Shorak Sir, Mrs. AUN College for his valuable time and continued assistance for the successful completion of the project.

I would also like to express gratitude to Mr. Shah Shorak Sir, Mrs. AUN College management for facilitating this project and providing his guidance through the duration of the project.

I would also like to thank the faculty and staff of the institute and all my team members for their support.

CHAPTER 1: EXECUTIVE SUMMARY

The community service report shall have only a one-page executive summary. It shall include a brief description of the Community and summary of all the activities done by the student in CSP and five or more learning objectives and outcomes.

The stress on our water environment as result of increased industrialization, which aids urbanization, is becoming very high thus reducing the availability of clean water. Polluted water is of great concern the availability of clean water. Polluted water is of great concern to the plants, humans, and climate and indeed the ecosystems. The preservation of our water environment, integration of environmental policies into the other firms core objectives coupled with continuous periodical enlightenment on the present and future consequence of environmental / water pollution will greatly assist in conserving the water environment.

Since water forms in case of the existence of human and living things, its preservation and sustainable cannot be over emphasized of clean water is greatly.

while various waste water treatment methods are being explored by industries and various treatment plants, untreated waste water is still being discharged into water bodies by some industries.

CHAPTER 2: OVERVIEW OF THE COMMUNITY

- About the Community/Village/Habitation including historical profile of the community/habitation, community diversity, traditions, ethics and values.
- Brief note on Socio-Economic conditions of the Community/Habitation.

One town also called "old town" is located in Visakhapatnam. In India. The area falls under the local administrative limits of Greater Visakhapatnam municipal corporation.

One town area has more than 300 years of history is British era, the business of whole city was located here including the administrative of Vizagapatnam district.

There are many measurements built like Town hall

Karyam market (1914), Europe Cemetery (1619), Queen Victoria Pavilion (1904), St. John's church (1844), Queen Mary's School (1800), Ishag. madina dargah (1706), St Aloysius Anglo-Indian High School (1847) and Light house (1903).

The old town area runs honor, end of Visakhapatnam port. It has many historical. Educational Institutions there are so many middle class students are learning education here. The area is administered by Greater Visakhapatnam municipal Corporation.

CHAPTER 3: COMMUNITY SERVICE PART

Description of the Activities undertaken in the Community during the Community Service Project. This part could end by reflecting on what kind of values, life skills, and technical skills the student acquired.

Activities Undertaken in the Community under the Community Service Project.

- * Study on water Pollution
- * Preparing Questionnaire
- * Study about the location to be Survey
- * Survey with our Questionnaire.
- * Analysing the survey data.
- * Finding Solutions for the problem.
- * Explaining the people how to solve these water problem.

CHAPTER 5: OUTCOMES DESCRIPTION

Details of the Socio-Economic Survey of the Village/Habitation. Attach the questionnaire prepared for the survey.

- * Are you aware of water pollution?
- * What do you think about water pollution?
- * Did water pollution affect your life?
- * How does water pollution affect nature?
- * What kind of water do you use as the main source of your drinking water?
- * Do you pay attention to local drinking quality?
- * Are you satisfied with your drinking water quality?
- * Do you have any problem with your tap water quality?
- * Do you pay attention to the pollution events reported on T.V (or) in the newspapers?
- * Which month do you face scarcity?
- * Are you taking any precautions to prevent water pollution?

Describe the problems you have identified in the community

* Problems Identified in the Community:

* Lack of awareness on water pollution

* There is no proper municipal (a) franchayat tap water facility.

* There is no proper main source of drinking water

* Facing water scarcity.

* Health issues due to polluted water

* Factories affecting the quality of drinking water wastage of drinking water

* No proper storage for saving water.

Short-term and long term action plan for possible solutions for the problems identified and that could be recommended to the concerned authorities for implementation.

Where there are many things that need to be done in order to protect one highly important method of maintaining the health of the environment.

Water pollution results from harmful substances contained in any body of water.

These substances typically include micro-organisms and chemicals like oil. When pollution gets into a body of water, it will cause the water quality to and eventually become toxic to humans and the surrounding environment.

- Waste water Treatment.
- Plastic waste reduction
- Water conservation
- A water-efficient toilet in your home
- Septic tanks
- Green Agriculture
- Avoid using the toilet as a waste basket.

Description of the Community awareness programme/s conducted w.r.t the problems and their outcomes.

Awareness about water :-

Public water conservation compa reuse awareness in all levels of society.

The importance of saving water to scope the with its scarcity an Emase. Sustainability to change citizen attitudes and behaviours to improve, water awareness.

S.No	Name of program	Mode	Date.
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1.	Awareness program on water conservation	Pragathi paper, phone	
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2.	Community based water resource	Krishidarshan (Chandini vahini)	
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3.	On occasion of world water day.	Krishadarshan. Phone in progr.	
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Report of the mini-project work done in the related subject w.r.t the habitation/village.

A mini-project work in the related subject w.r.t the habitation/village. (For ex., a student of Botany may do a project on Organic Farming or Horticulture or usage of biofertilizers or biopesticides or effect of the inorganic pesticides, etc. A student of Zoology may do a project on Aquaculture practices or animal husbandry or poultry or health and hygiene or Blood group analysis or survey on the Hypertension or survey on the prevalence of diabetes, etc.

The Report shall be limited to 6 pages.

WATER POLLUTION:-

Water pollution (a) aquatic pollution is the contamination of water bodies usually as a result of human activities, so that it negatively affects its uses. Water bodies include seas, rivers, oceans and ground water pollution results. Water pollution can be attributed to one of the four sources. Sewage discharge, industrial activities and agricultural stormwater. It can be grouped into surface water pollution or ground water pollution. For ex.

releasing inadequately treated waste water into the natural waters can lead to the degradation.

Water can lead to degradation of these aquatic ecosystem water pollution can also lead to water not fit for all purpose.

water for drinking, bathing, irrigation water pollution reduces the ability of the body to provide to ecosystem services. that is would be otherwise provide.

Sources of water pollution are either point sources (a) non-point sources point sources have (a) can oil spill. Non point source are more diffuse. such as agricultural runoff pollut.

Stressful conditions (eg. changes of PH, hypoxia, (a) anoxia, increased temp, excessive, taste or odor and change of salinity), (a) Pathogenic organisms contaminants.

Many include organic and inorganic substances. Heat can also be a pollutant and this is called thermal pollution. A common cause of the thermal pollution is the use of water as a coolant by power plants and industrial manufactures:

Control of water pollution req. appropriate infrastructure and management plans as well as. Technology solutions can include improving sanitation sewage treatment, industrial waste water treatment. (including stormwater management) effective control of urban runoff includes reducing speed and.

CONTAMINANTS WITH AN ORIGIN IN SEWAGE:-

- The following compounds can all reach water bodies via raw sewage (a) even treated
- Various chemical compounds found in personal hygiene and cosmetic products.
 - Disinfection by products found in chemically disinfected by products water.
 - Hormones and synthetic materials such as the. that mimic hormones in their action.

If the water pollution stems from sewage the main pollutants are suspended solids, bio-degradable organic matter.

ORGANIC Compounds:

organic substance that enter water bodies are often toxic

- ⇒ Petroleum hydrocarbons including fuels (gasoline, diesel fuel, jet, fuels, and fuel oil) and fuel combustion by product, from oil spills (a) storm
- ⇒ Volatile organic solvents, such as improperly stored industrial solvents, problematic species are organochlorides such as polychlorinated biphenyl (PCBS) and solvent per acid polyfluoralkyl substance (PFAS) are persistent organic pollutants.

Types Of Surface Water Pollution:

Surface water pollution includes pollution of rivers, lakes and oceans. A subset of surface water pollution is marine pollution which affects. Nutrient pollution refers to contamination.

Globally about 4.5 billion people do not have safely managed sanitation. of 2017, programme for water supply and the sanitation.

MARINE POLLUTION:-

Marine pollution occurs when substances used (or) spread by humans, such as industrial, agricultural and residential waste. The oceans cause harmful effects there.

NUTRIENT POLLUTION:

Nutrient pollution, a form of water pollution refers to contamination by excessive inputs of nutrients. of the pollution.

Biological Pollution:

The introduction of a ^{water} aquatic invasive organisms is a form of water pollution as well. It causes biological pollution by human influence.

IMPACTS ECOSYSTEMS:-

Water pollution is a major global environmental problem because it can result in the degradation of all aquatic ecosystem. Fresh, coastal and ocean waters

OCEAN ACIDIFICATION:

Ocean acidification is another impact of water pollution. Ocean acidification is the ongoing decrease in the pH value of the world's oceans caused by the uptake of carbon dioxide.

GROUND WATER POLLUTION:

Ground water pollution occurs when pollutants are released to the ground and make their way into ground water. This type of water pollution can also occur naturally due to the presence of a minor and unwanted constituent: (a) impurity in the ground water. in which case it is more likely referred to as contamination rather than pollution.

When these ground water supplies to people they get diseases like cholera, diarrhoea, joint pains, skin allergies, throat diseases.

Ground water pollution poses a hazard to the well being people and ecosystem one-quarter of the world drinking ground water.

These polluted water can be tested in many ways the following diagram represent the water pollution test.

CHAPTER 6: RECOMMENDATIONS AND CONCLUSIONS OF THE MINI PROJECT

Since water forms a core of the existence of human and other living things, its preservation and sustainable availability cannot be overemphasized. The availability of clean water is greatly threatened by various human activities and causes various climate changes. While various wastewater is still being discharged into the water bodies by some industries. Thus, effective environmental by the extension to human factoring these environment protection policies into the goals and objectives of various actors involved in environmental deterioration will help policies performance. This will serve as a step forward in the direction of curbing water pollution.



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PHOTOS AND VIDEO LINKS

